

Claims

What is claimed is:

- 5 1. A solar screen article comprising, in combination: a
 solar screen material coupled to a frame assembly,
 said solar screen article selected from the group
 consisting of an umbrella cover, a swamp cooler cover,
 a fluid container cover, a shelter cover, a
10 compartment, a pane protector, a convertible top, a
 sun visor and a hat, said solar screen material
 providing at least thermal insulation, UV protection
 and one-way visibility for a user of the solar screen
 article.
- 15 2. The solar screen article according to Claim 1 further
 comprising a plurality of spacers located between a
 portion of a surface of said solar screen material and
 a portion of a surface of the solar screen article,
20 said plurality of spacers providing enhanced thermal
 insulation.
- 25 3. The solar screen article according to Claim 1 wherein
 said solar screen material comprising said umbrella
 cover for an umbrella coupled to said frame assembly
 and said frame assembly coupled to a handle configured
 to provide said umbrella.
- 30 4. The solar screen article according to Claim 2 wherein
 said solar screen material comprising said swamp
 cooler cover coupled to said frame assembly, said
 swamp cooler cover for enclosing a swamp cooler

providing enhanced thermal insulation and greater cooling efficiency for said swamp cooler.

5. The solar screen article according to Claim 2 wherein
5 said solar screen material comprising said fluid container cover coupled to said frame assembly for enclosing a fluid container, said fluid container cover providing enhanced thermal insulation for a fluid inside said fluid container.
- 10 6. The solar screen article according to Claim 5 wherein said fluid container is a canteen.
- 15 7. The solar screen article according to Claim 1 wherein said solar screen material comprising said shelter cover for a shelter coupled to said frame assembly, said shelter cover and said frame assembly coupled to a plurality of ropes coupled to a plurality of stakes embedded in a ground support and a portion of said
20 shelter cover having a plurality of openings configured for a plurality of windows and at least a door of said shelter.
- 25 8. The solar screen article according to Claim 7 wherein said shelter cover is a tent.
- 30 9. The solar screen article according to Claim 1 wherein a portion of a baby stroller comprising said compartment, said compartment comprising solar screen material, said baby stroller further comprising a frame assembly coupled to said compartment, said frame assembly having a plurality of wheels and a handle

assembly for pushing said baby stroller and said compartment having a plurality of window panes for observing a baby inside said compartment.

5 10. The solar screen article according to Claim 1 wherein
a portion of a baby trailer comprising said
compartment, said compartment comprising said solar
screen material, said baby trailer further comprising
10 a frame assembly having at least a pair of wheels
coupled to said compartment, said frame assembly
selectively coupled to a portion of a bicycle
configured so that said baby trailer is towed by said
portion of said bicycle and said compartment having a
plurality of window panes for observing a baby inside
15 said compartment.

11. The solar screen article according to Claim 1 wherein
a portion of said pane protector comprises a portion
of a pane coupled to a portion of said solar screen
20 material and said solar screen material selectively
coupled to a frame assembly, said pane protector
configured as said sunroof top of a vehicle.

12. The solar screen article according to Claim 1 wherein
25 a portion of said pane protector comprises a portion
of said solar screen material located between portions
of a pair of panes, a surface of said solar screen
material coupled to a surface of one of said pair of
panes and an opposite surface of said solar screen
30 material coupled to a surface of another one of said
pair of panes.

13. The solar screen article according to Claim 12 wherein each one of said pair of panes comprises a substantially transparent material.
- 5 14. The solar screen article according to Claim 1 wherein said convertible top for a vehicle comprises said solar screen material coupled to said frame assembly, said frame assembly shaped according to the type of vehicle for coupling said convertible top to said vehicle.
- 10 15. The solar screen article according to Claim 1 wherein said sun visor comprises said solar screen material, said sun visor protecting a wearer's eyes from the glare of the sun and acting as a thermal insulator for a wearer's face around the wearer's eye area.
- 15 16. The solar screen article according to Claim 1 wherein said hat comprises said solar screen material, said hat protecting a wearer from heat exposure in hot weather and from thermal losses in cooler weather.
- 20 17. The solar screen article according to Claim 16 wherein said hat is wide-brimmed.
- 25 18. The solar screen article according to Claim 16 wherein said hat is conically shaped.
- 30 19. A method for assembling a solar screen article comprising the steps of: providing a solar screen material, said solar screen article selected from the group consisting of an umbrella cover, a swamp cooler

cover, a fluid container cover, a shelter cover, a compartment, a pane protector, a convertible top, a sun visor and a hat; and coupling said solar screen material to a frame assembly, said solar screen material achieving at least thermal insulation, UV protection and one-way visibility for a user of the solar screen article.

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20. The method for assembling a solar screen article according to Claim 19 further comprising the step of: providing a plurality of spacers located between a portion of a surface of said solar screen material and a portion of a surface of the solar screen article, said plurality of spacers achieving enhanced thermal insulation.

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